FIG. 1

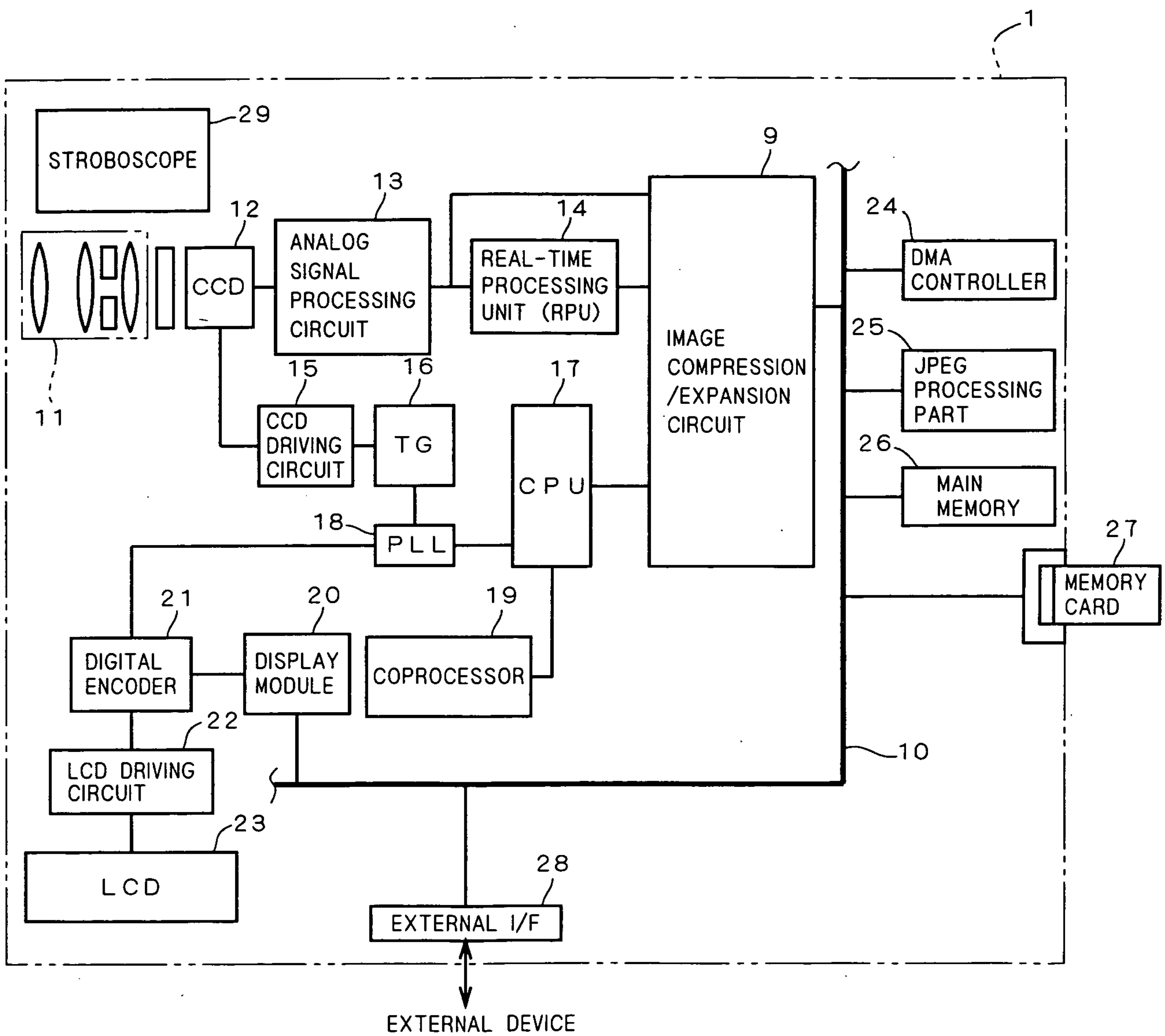
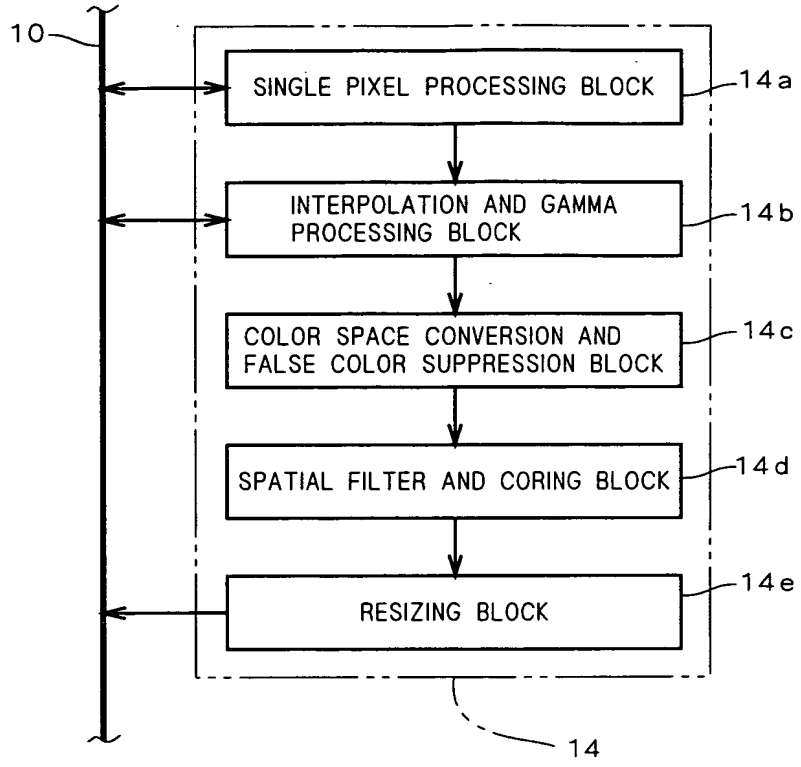


FIG. 2



F I G . 3

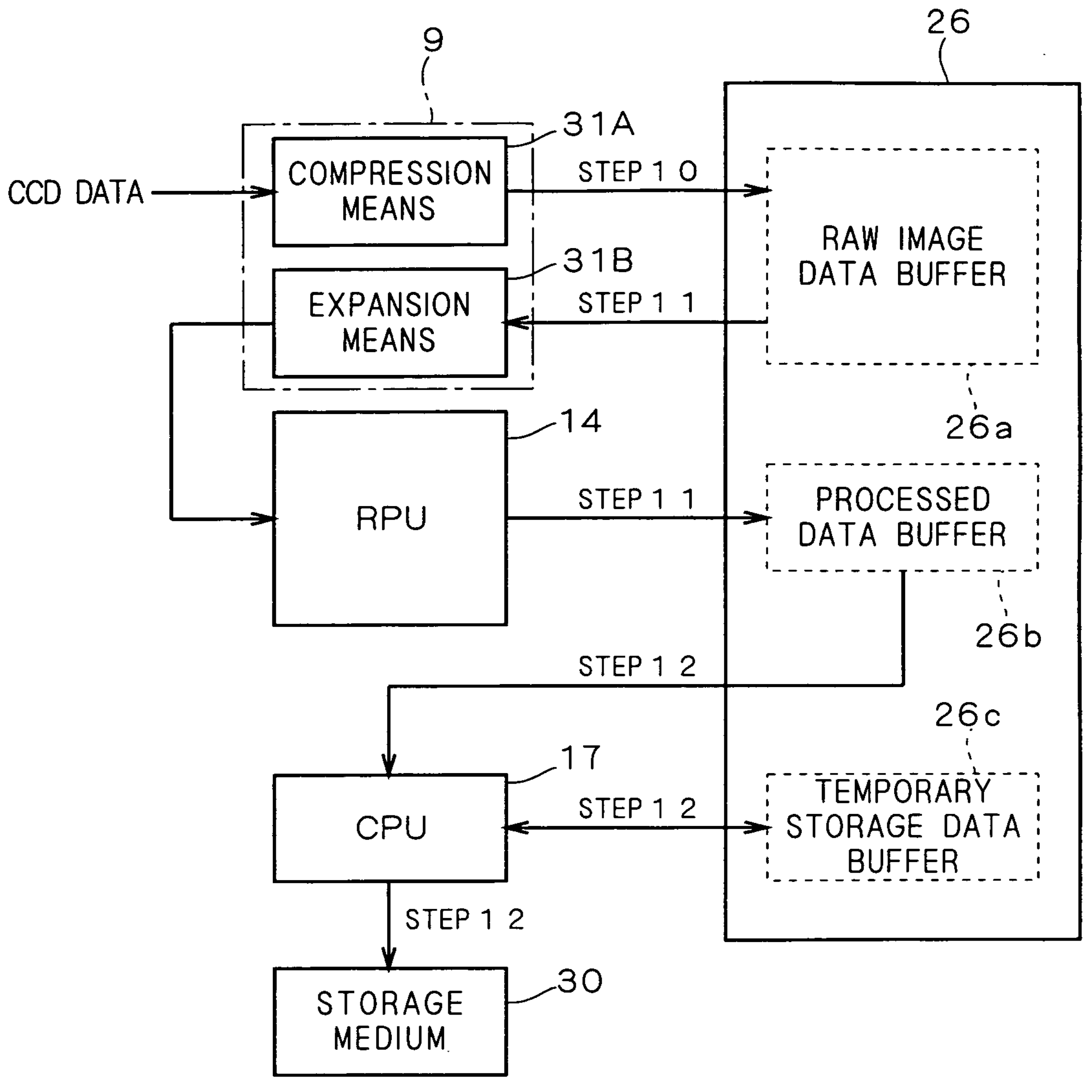


FIG. 4

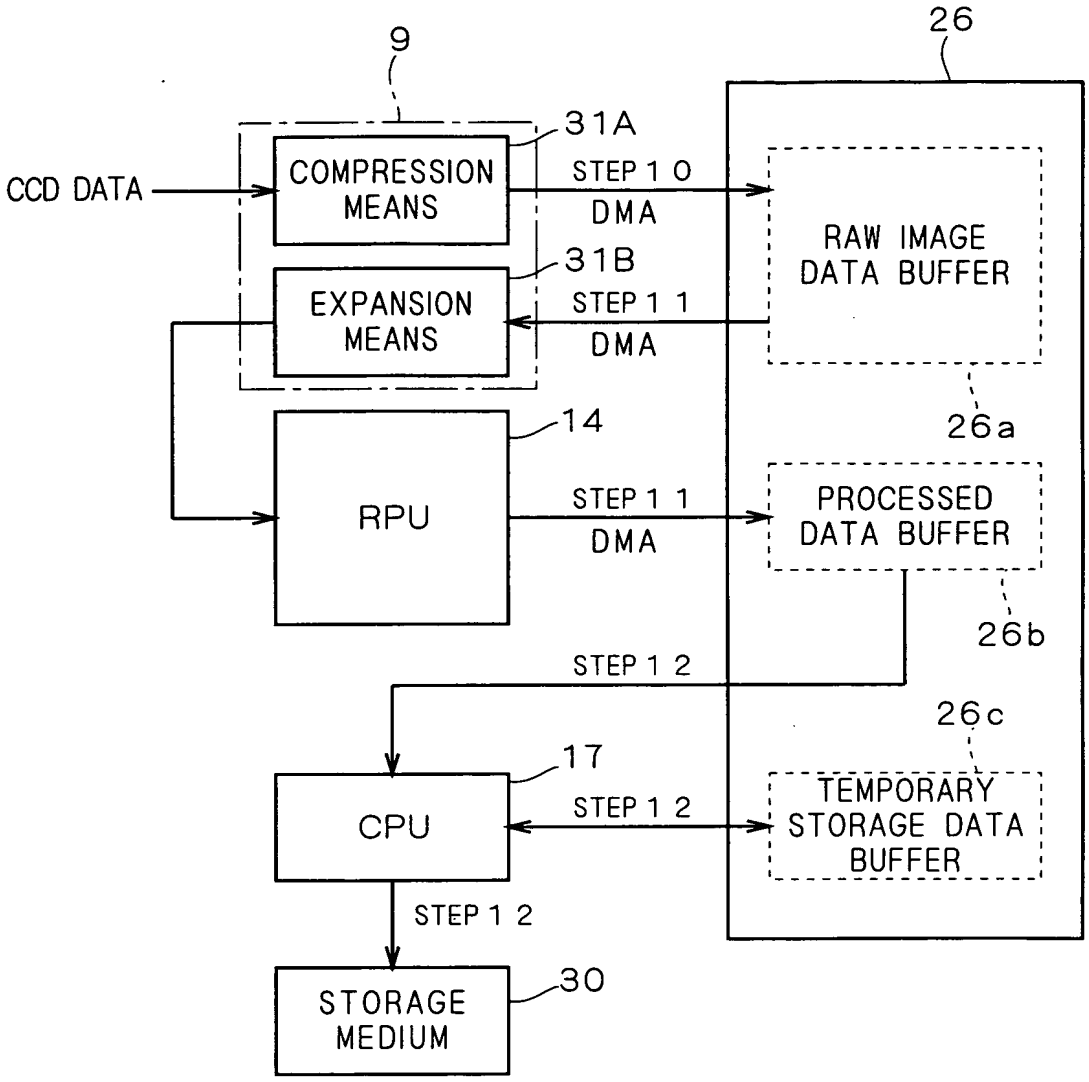
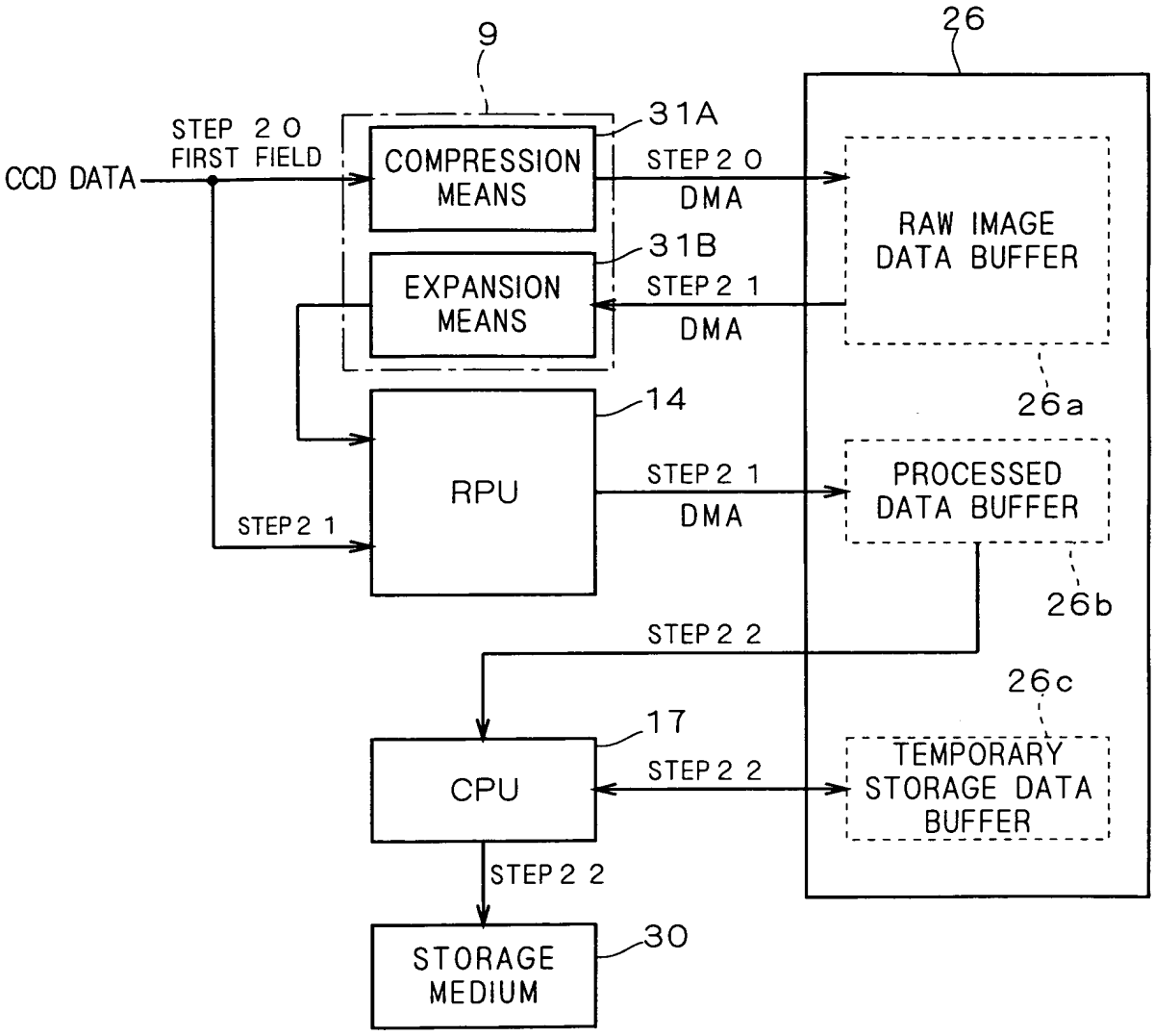


FIG. 5


9
26
31A
STEP 2 0
FIRST FIELD
CCD DATA
COMPRESSION MEANS
STEP 2 0
DMA
RAW IMAGE DATA BUFFER
31B
EXPANSION MEANS
STEP 2 1
DMA
26a
14
RPU
STEP 2 1
DMA
PROCESSED DATA BUFFER
STEP 2 1
26b
STEP 2 2
26c
17
CPU
STEP 2 2
TEMPORARY STORAGE DATA BUFFER
STEP 2 2
STORAGE MEDIUM
30

F I G . 6

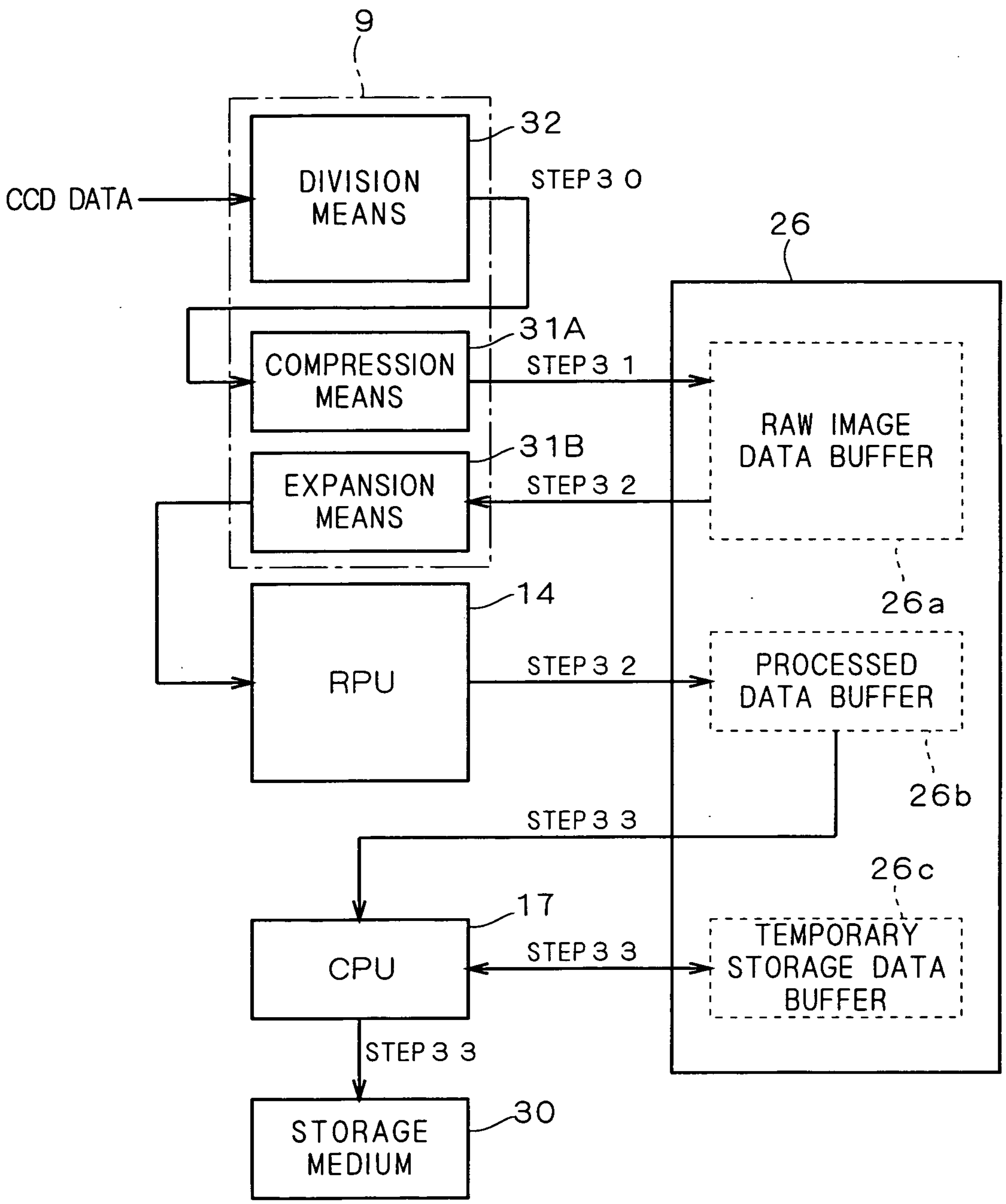

9
32
CCD DATA
DIVISION MEANS
STEP 3 0
26
31A
COMPRESSION MEANS
STEP 3 1
RAW IMAGE DATA BUFFER
31B
EXPANSION MEANS
STEP 3 2
26a
14
RPU
STEP 3 2
PROCESSED DATA BUFFER
26b
STEP 3 3
26c
17
CPU
STEP 3 3
TEMPORARY STORAGE DATA BUFFER
STEP 3 3
STORAGE MEDIUM
30

FIG. 7

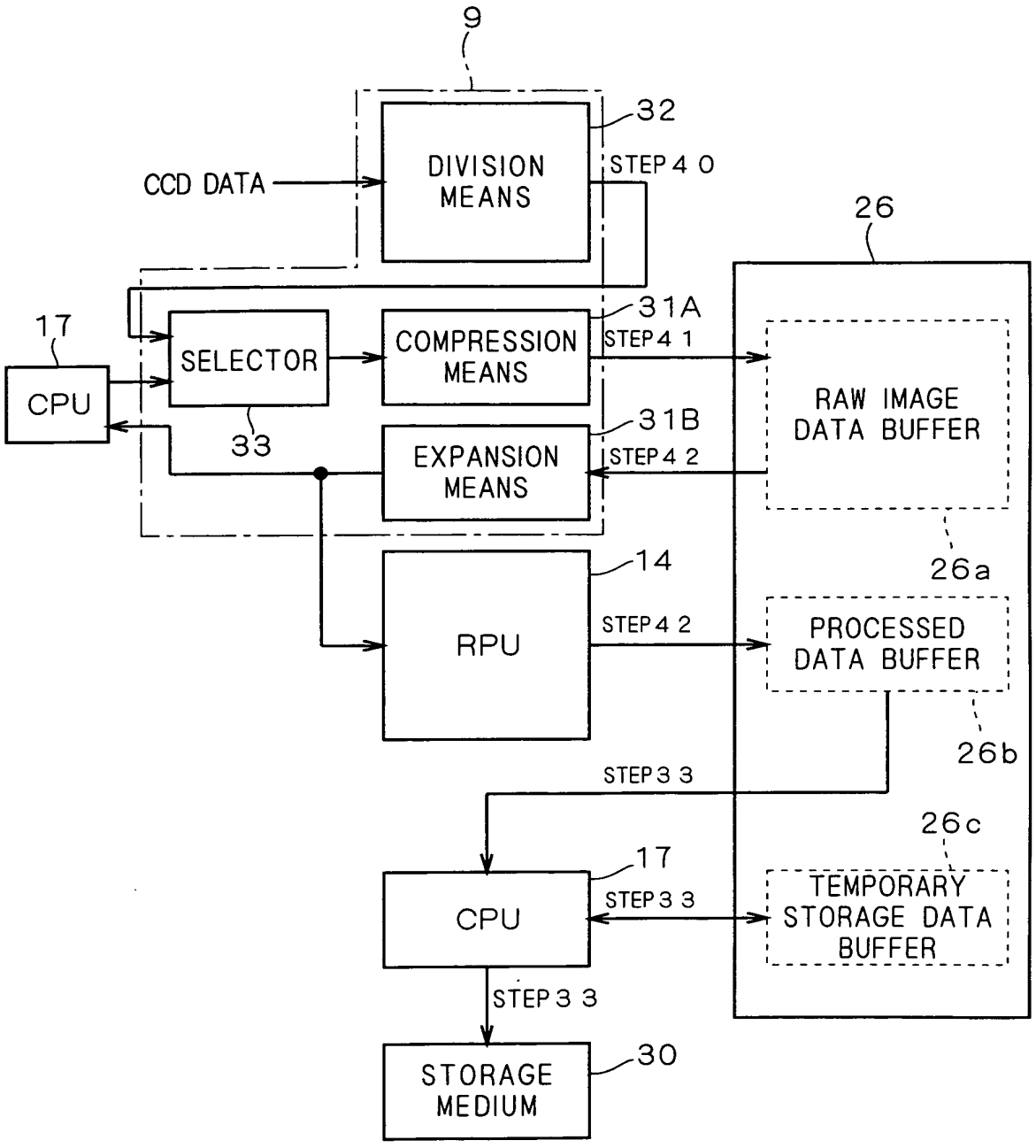
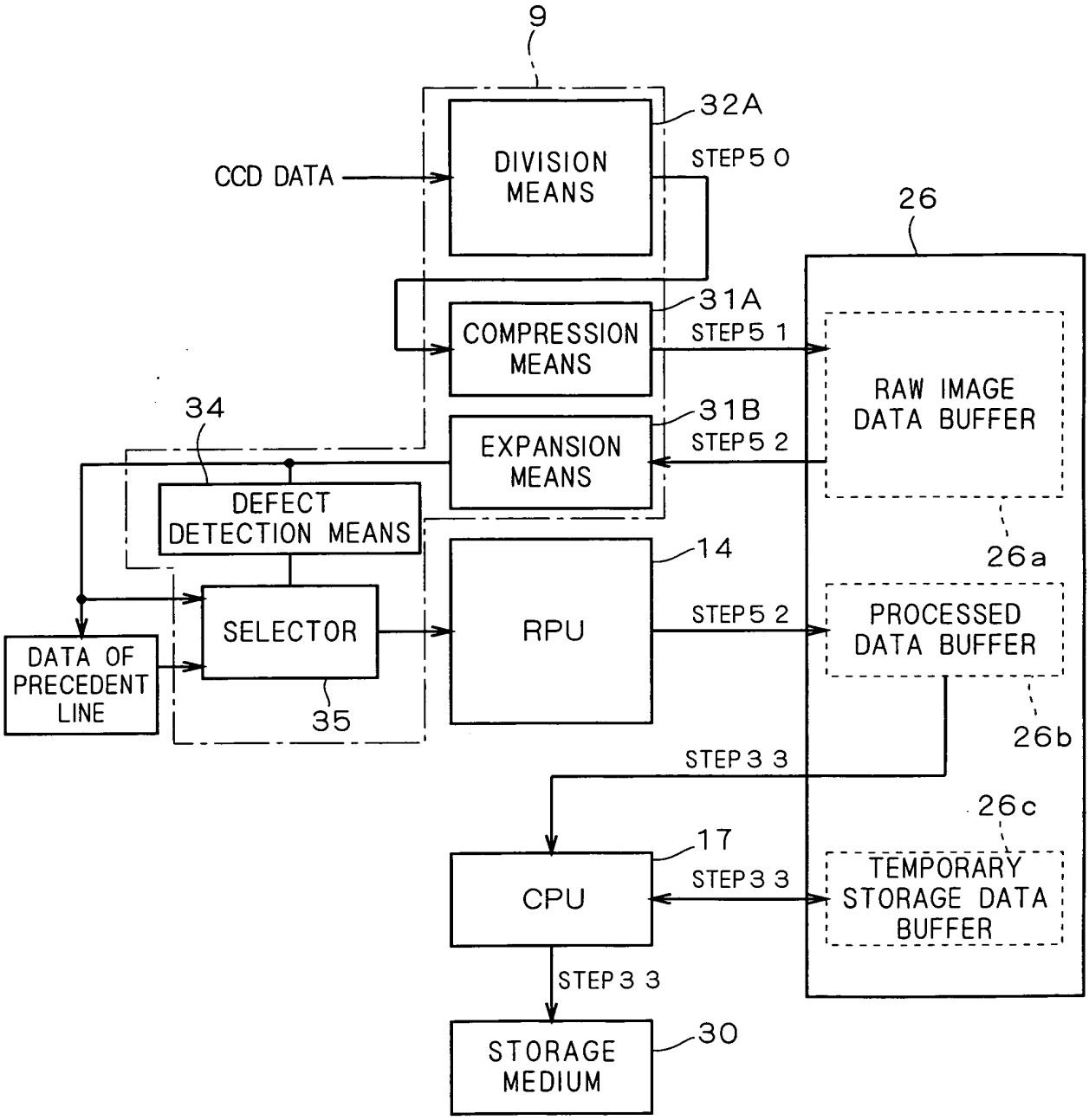
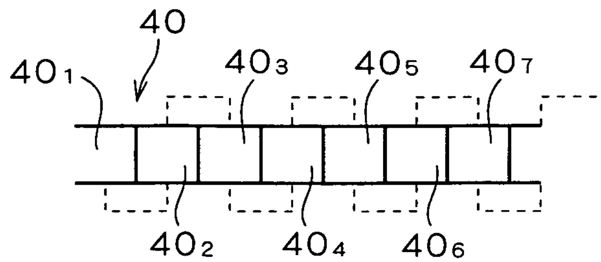

9
32
DIVISION MEANS
CCD DATA
STEP 4 0
26
17
CPU
SELECTOR
31A
COMPRESSION MEANS
STEP 4 1
RAW IMAGE DATA BUFFER
33
31B
EXPANSION MEANS
STEP 4 2
26a
14
RPU
STEP 4 2
PROCESSED DATA BUFFER
26b
STEP 3 3
26c
17
CPU
STEP 3 3
TEMPORARY STORAGE DATA BUFFER
STEP 3 3
30
STORAGE MEDIUM

FIG. 8


9
32A
DIVISION MEANS
CCD DATA
STEP50
26
31A
COMPRESSION MEANS
STEP51
RAW IMAGE DATA BUFFER
34
31B
EXPANSION MEANS
STEP52
DEFECT DETECTION MEANS
26a
14
SELECTOR
RPU
STEP52
PROCESSED DATA BUFFER
DATA OF PRECEDENT LINE
35
26b
STEP33
26c
17
CPU
STEP33
TEMPORARY STORAGE DATA BUFFER
STEP33
STORAGE MEDIUM
30

F I G . 9 A

CALCULATE DIFFERENCE BETWEEN ADJACENT PIXELS



F I G . 9 B

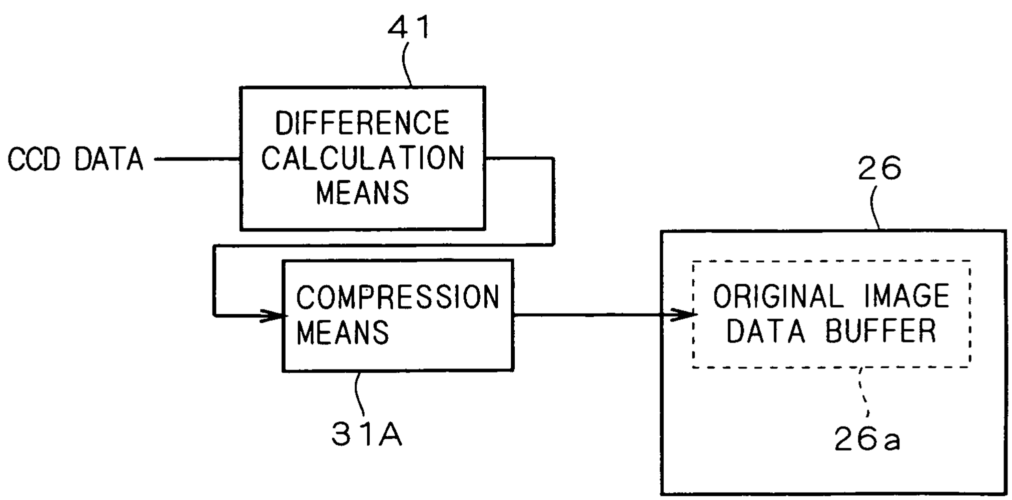


FIG. 10A

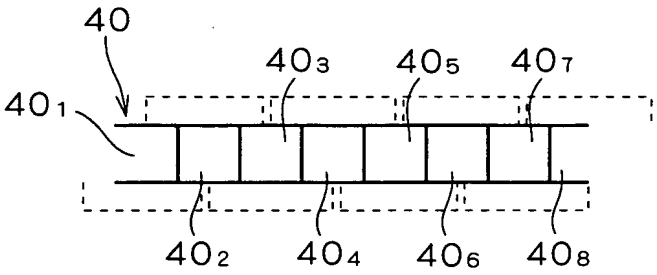
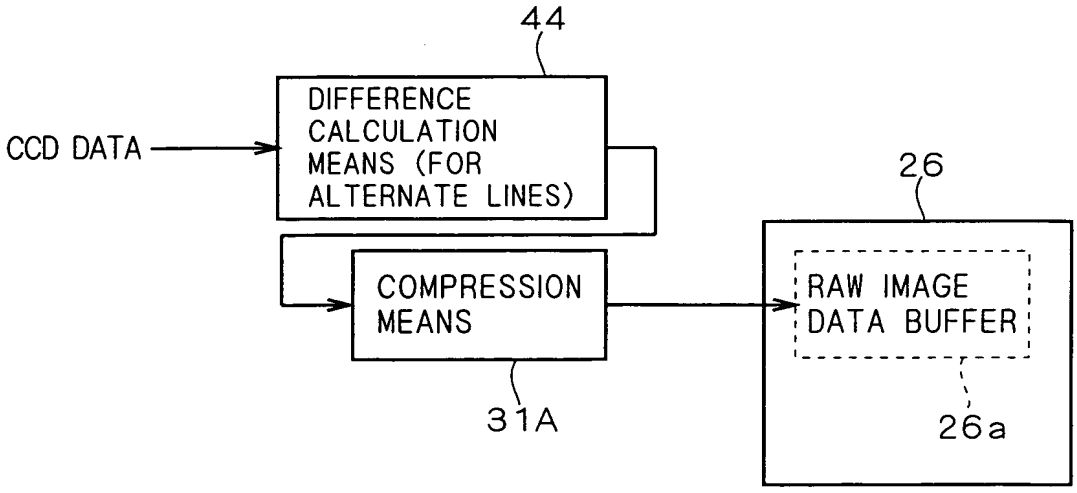
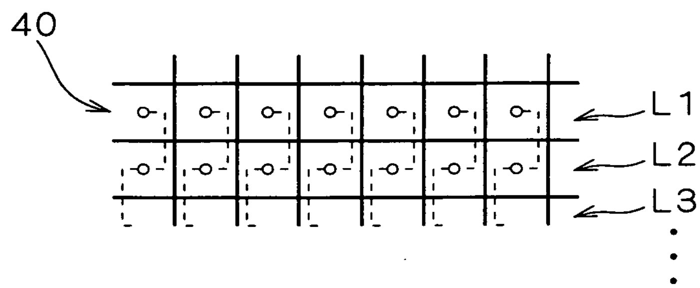


FIG. 10B



F I G . 1 1 A

CALCULATE DIFFERENCE BETWEEN VERTICAL PAIRS OF PIXELS ON ADJACENT PAIRS OF LINES



F I G . 1 1 B

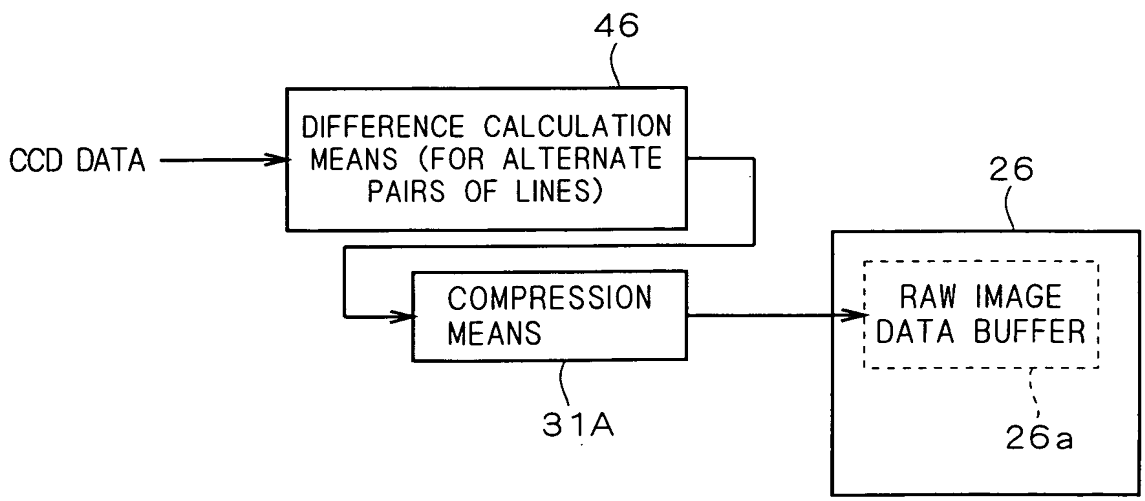


FIG. 12A

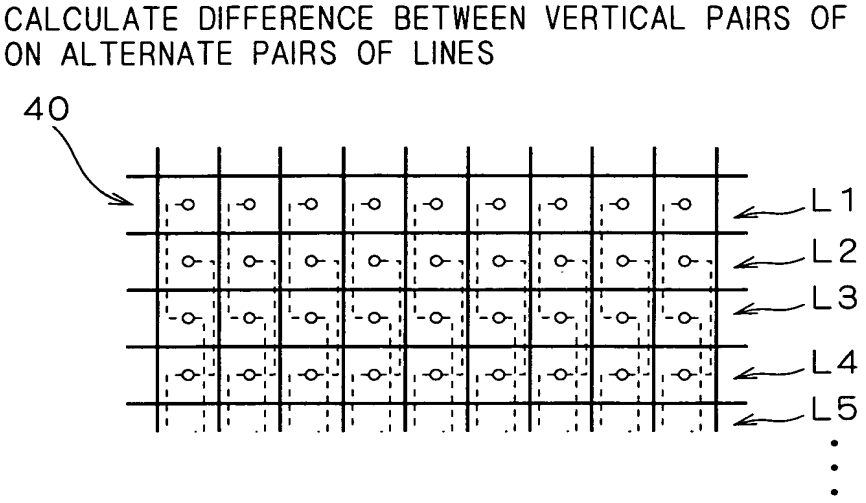
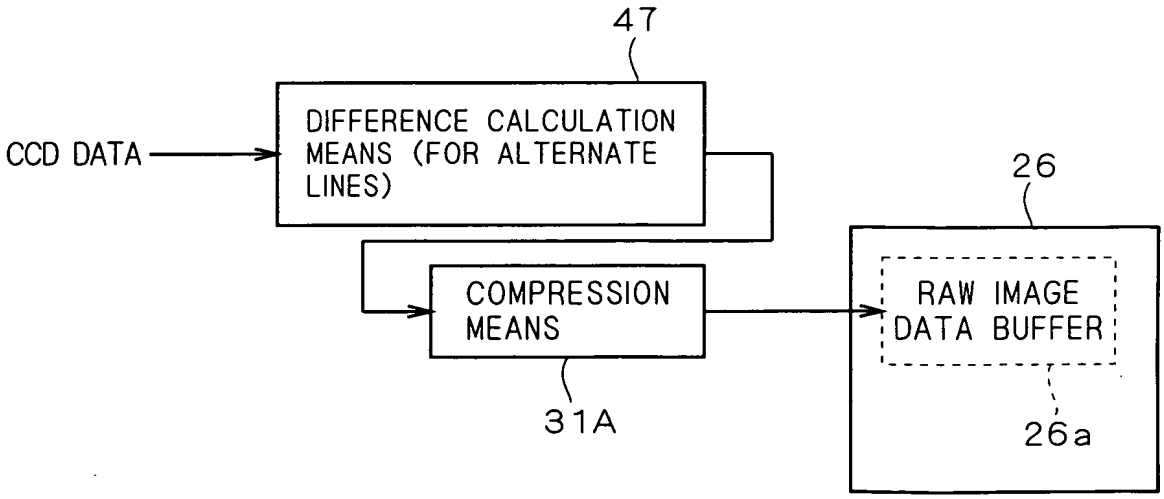


FIG. 12B



F I G . 1 3

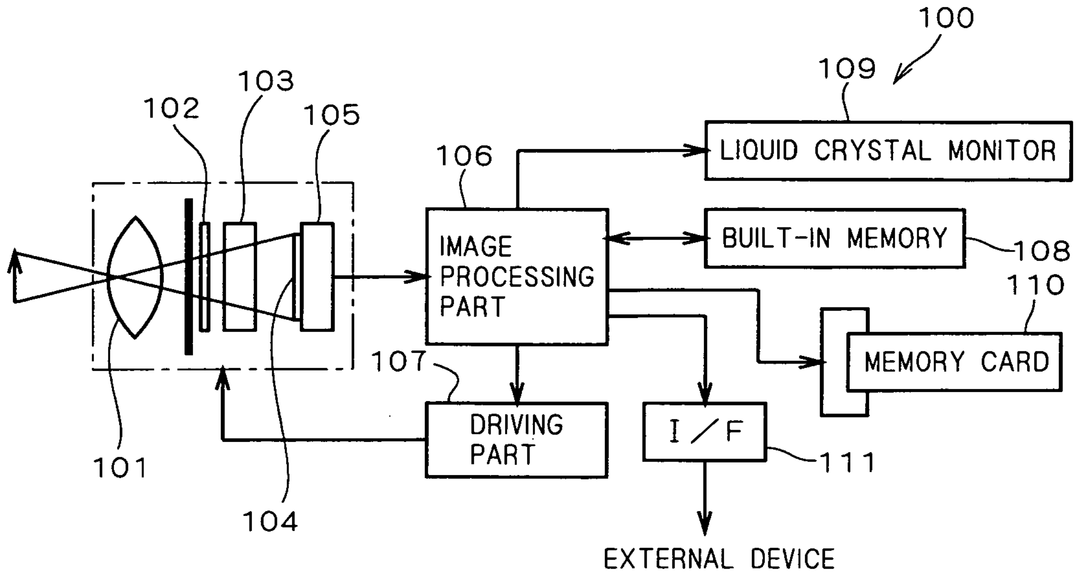
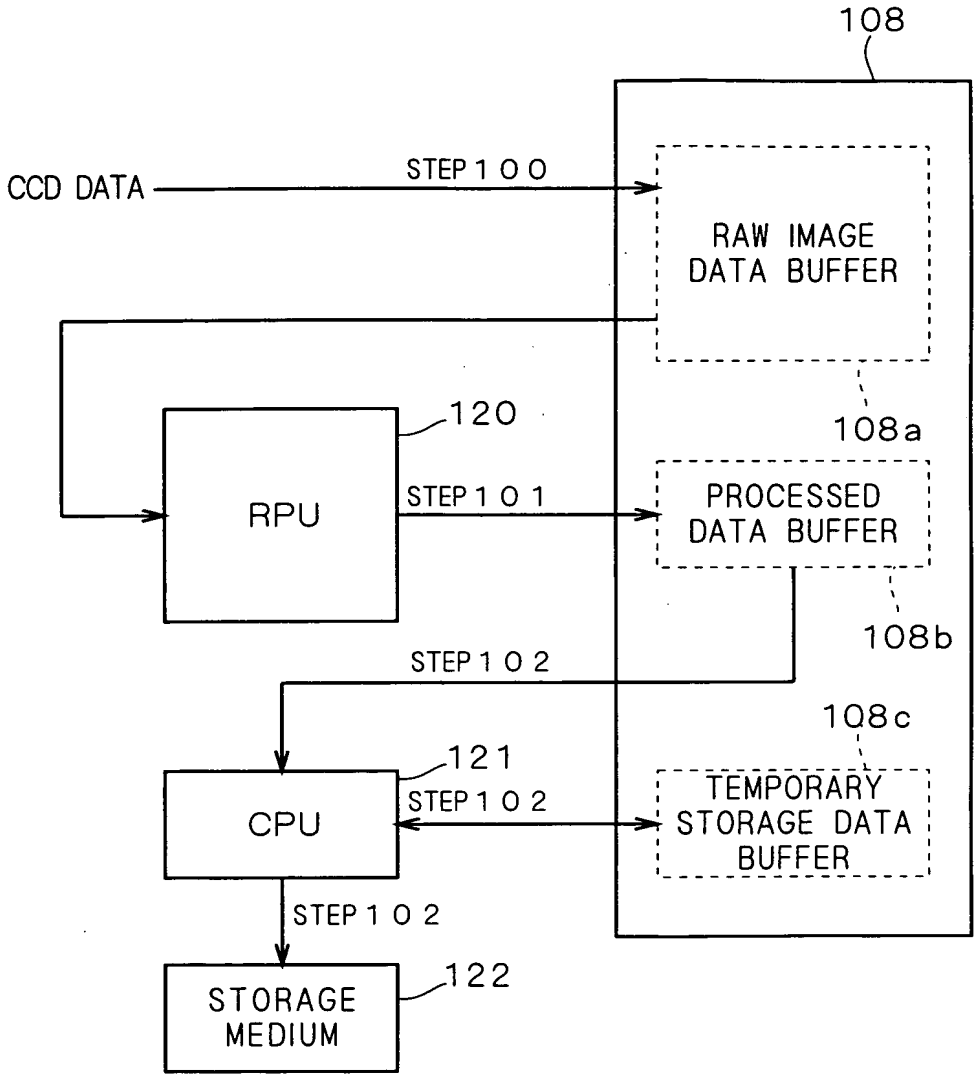


FIG. 14


108
CCD DATA
STEP 1 0 0
RAW IMAGE DATA BUFFER
108a
120
RPU
STEP 1 0 1
PROCESSED DATA BUFFER
108b
STEP 1 0 2
108c
121
CPU
STEP 1 0 2
TEMPORARY STORAGE DATA BUFFER
STEP 1 0 2
STORAGE MEDIUM
122